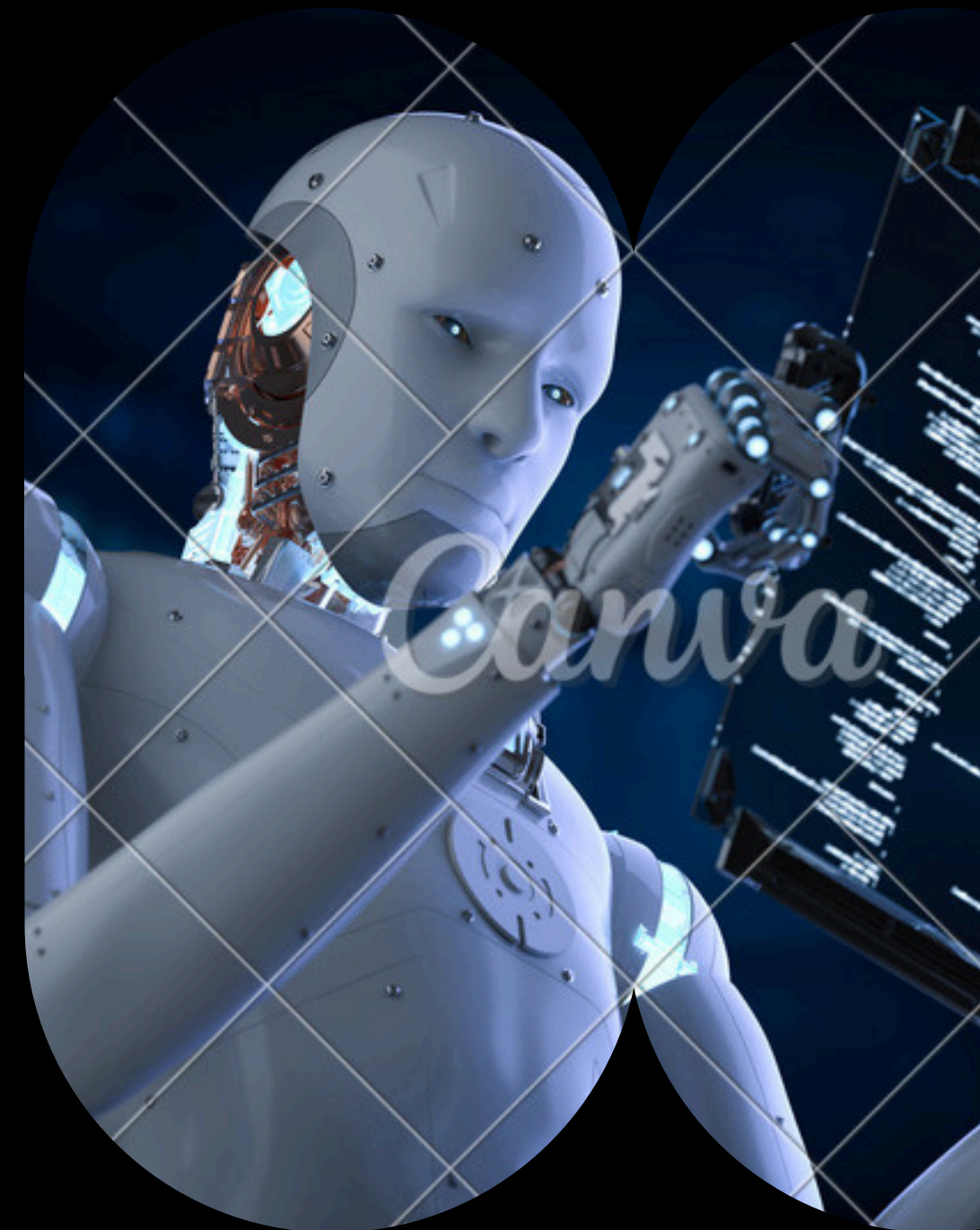**Presented by**
PSANatics (Group 1)

Date
10th March, 2025

HushHush Recruiter

FINAL PROJECT DEMO

INTRODUCTION

HushHush Recruiter is an AI-powered recruitment platform designed to simplify and optimize technical hiring. Traditional hiring can be time-consuming and inefficient, but our platform leverages automation, AI-based candidate evaluation, and seamless communication workflows to streamline the process.
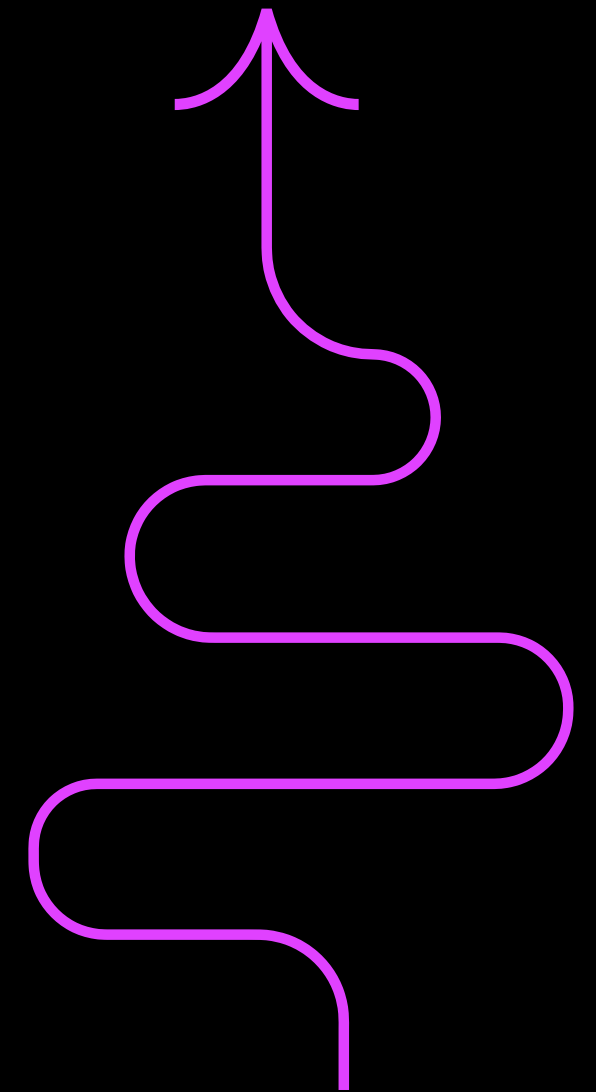
WORKING METHODOLOGY

Data Collection & Analysis
- Extracts candidate data from GitHub (repositories, commits, contributions, programming languages).
- Uses TF-IDF to analyze commit messages for deeper insights.

Candidate Selection & Assessment
- Top candidates are shortlisted and notified via email.
- Coding tests are analyzed using OpenAI's AI models for accuracy and efficiency.
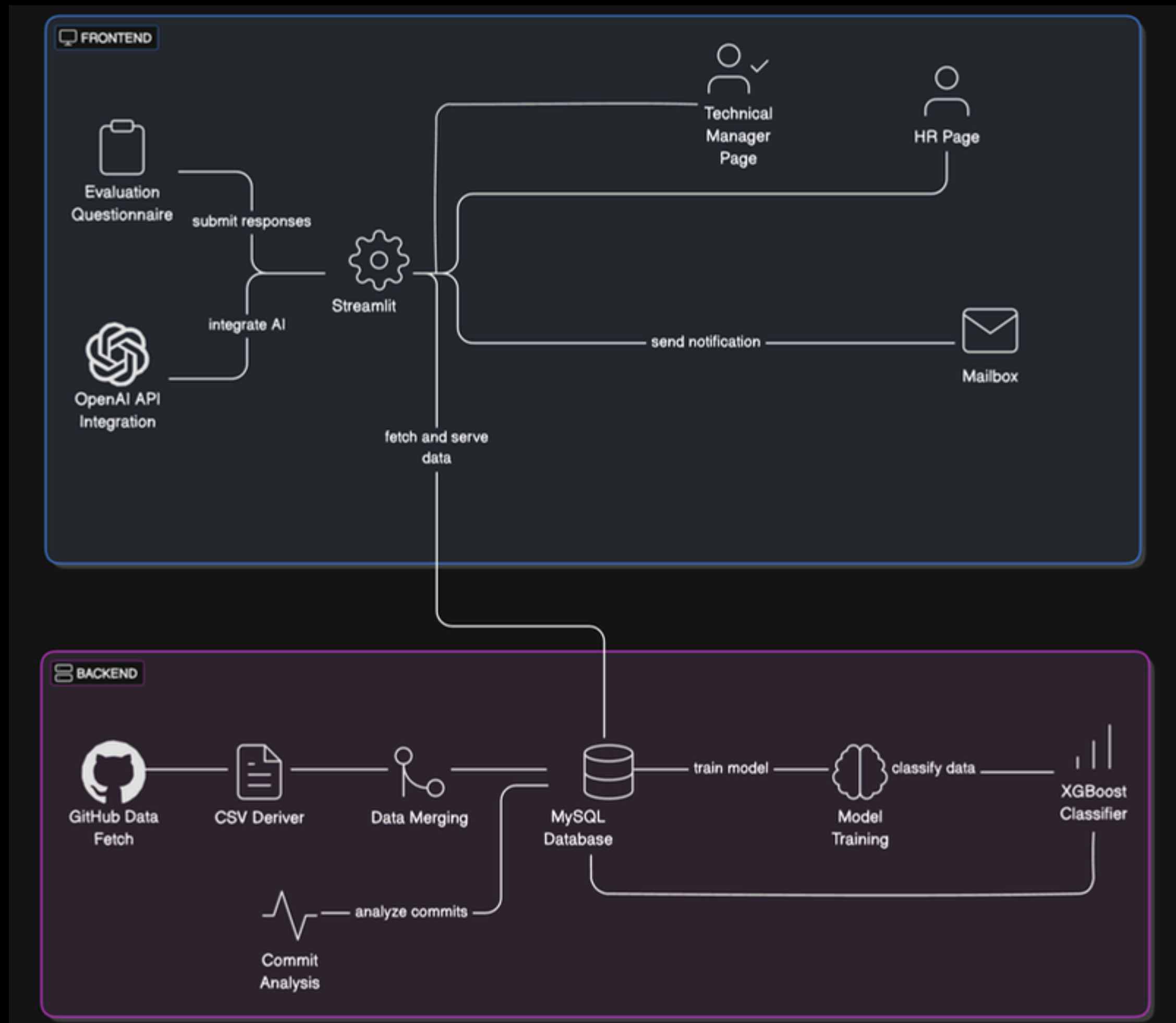
Score-Based Screening
- Recruiters view test scores and make data-driven hiring decisions.

Interview Scheduling
- HR is automatically notified to schedule interviews.
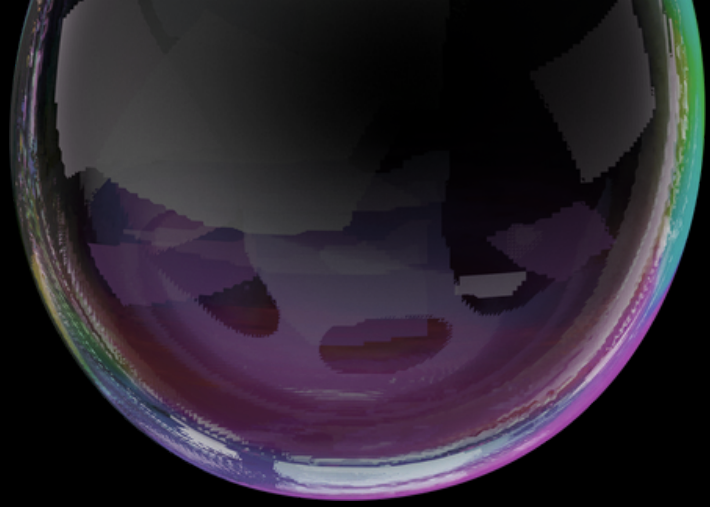
Code Level Architecture

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Demo of the Project
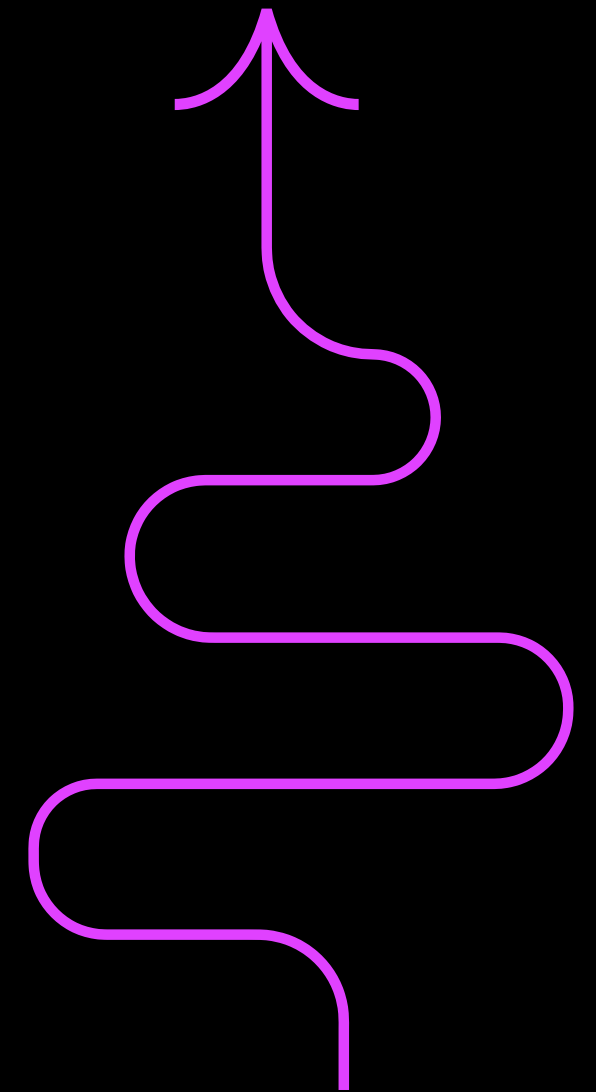
FUTURE WORK

1. Enhanced Data Sources
   - Expand beyond GitHub to gather richer candidate insights.
   - Establish cross-platform profiling, linking multiple sources for a more comprehensive evaluation.

2. Automated Data Collection
   - Implement dynamic scheduling to enable real-time and periodic data updates.
   - Ensure a continuous, autonomous data pipeline without manual intervention.

FUTURE WORK

3. Refining Model Evaluation
- Address skewness in TF-IDF scores caused by attributes like followers and stars.
- Develop an adjusted weighting mechanism to improve accuracy across diverse job roles.
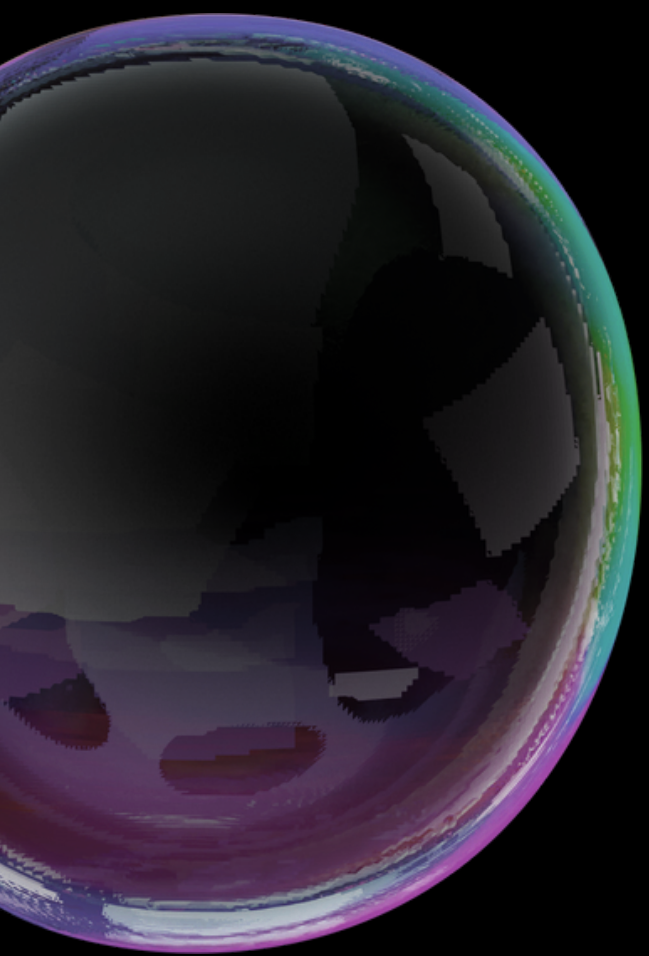
4. Refining Website Design
- Make the website more user friendly.
- Use a better technology for building website.

Future iterations will focus on optimizing AI models, expanding data reach, and ensuring fair candidate evaluation.
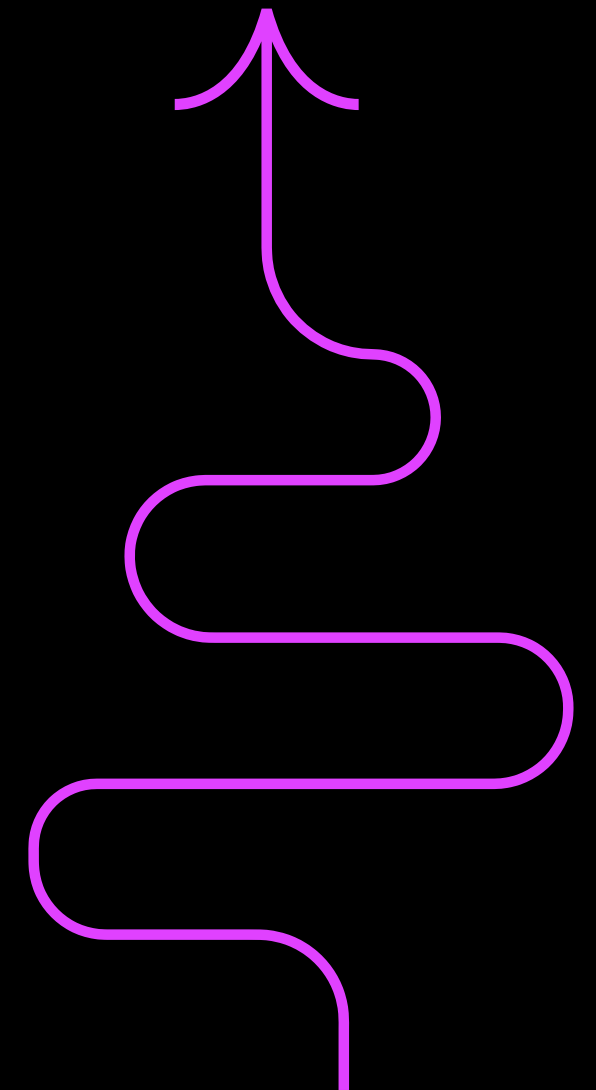
REFERENCES

PPT	https://www.canva.com/
Code Level Architecture	app.eraser.io
Website Design Information	streamlit.io
Code Repository	bdp-oct24-exam-bdp_oct24_group1

Thank You !!

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